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Attorwy Reference Number 3005-58065 Application Number 09/770,942

- 1. (Amended) A method for analyzing a gas sample, comprising: providing a gas sample or converting a sample to a gas sample; increasing pressure applied to the gas sample to compress the sample to a smaller volume and provide a pneumatically focused gas sample; and analyzing the pneumatically focused gas sample by gas chromatography.
- 17. (Amended) The method according to claim 1 where analyzing the pneumatically focused sample comprises reducing the pressure of the carrier-pneumatic focusing gas simultaneously with or subsequent to a pneumatically focused sample being injected onto a separatory column.
- 31. (Amended) The method according to claim 1 where analytes from the pneumatically focused sample are determined by a detector selected from the group consisting of FID, IR, FTIR, NDIR, ECD, TCD, NPD, FPD, UV/Visible detectors and combinations thereof.
 - 37. (Amended) A method for analyzing an air sample, comprising: collecting an air sample;

increasing the pressure of the sample to a pressure of from about 100 psi to about 15,000 psi to pneumatically focus the air sample; and

analyzing the pneumatically focused sample in real time using a gas chromatograph.

- 73. (Amended) The method according to claim 72 and providing the sample to a column within a period of less than about 1 second.
- 74. (Amended) The method according to claim 73 and providing the sample to a column within a period of less than about 1 millisecond.



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